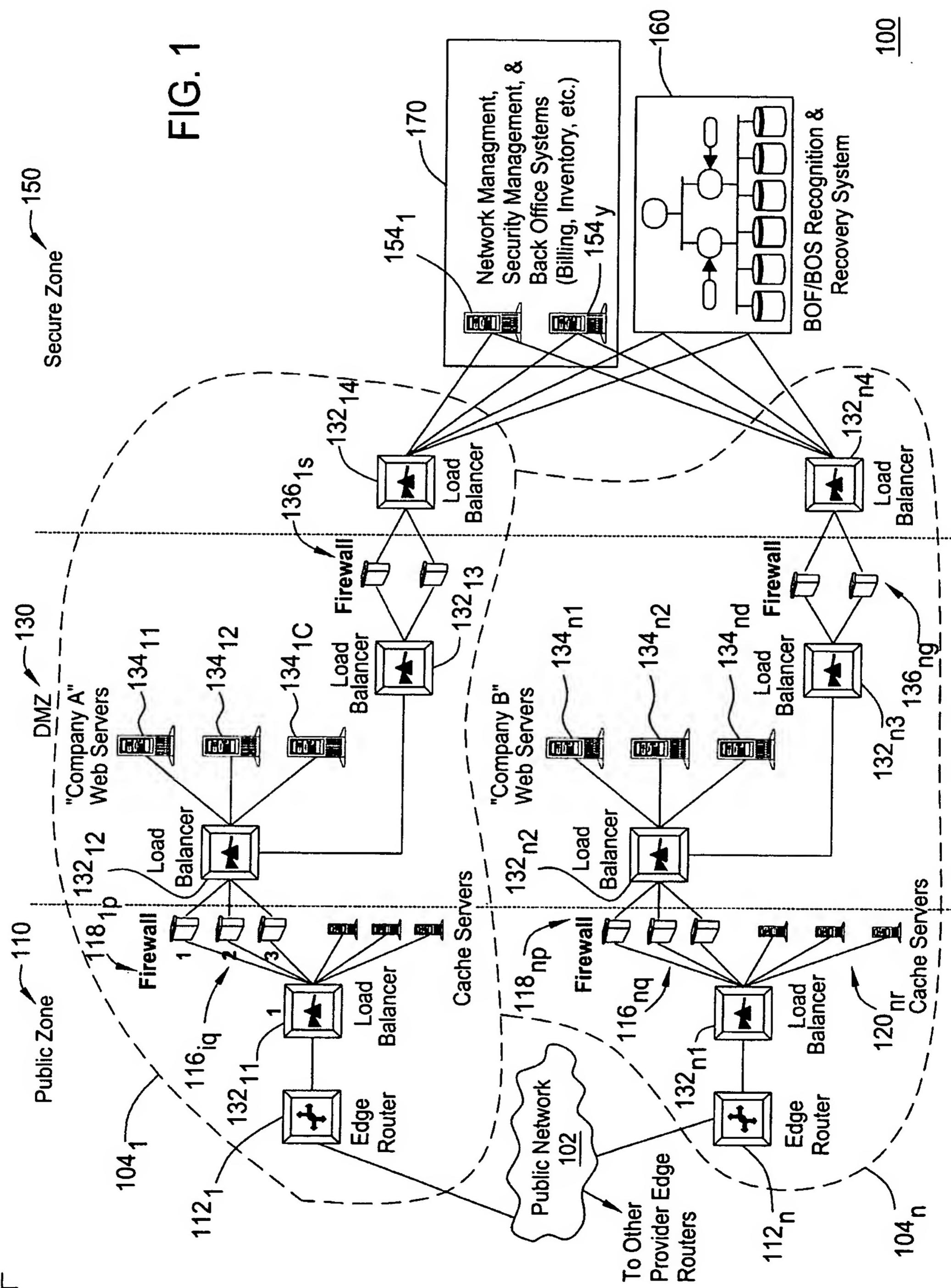
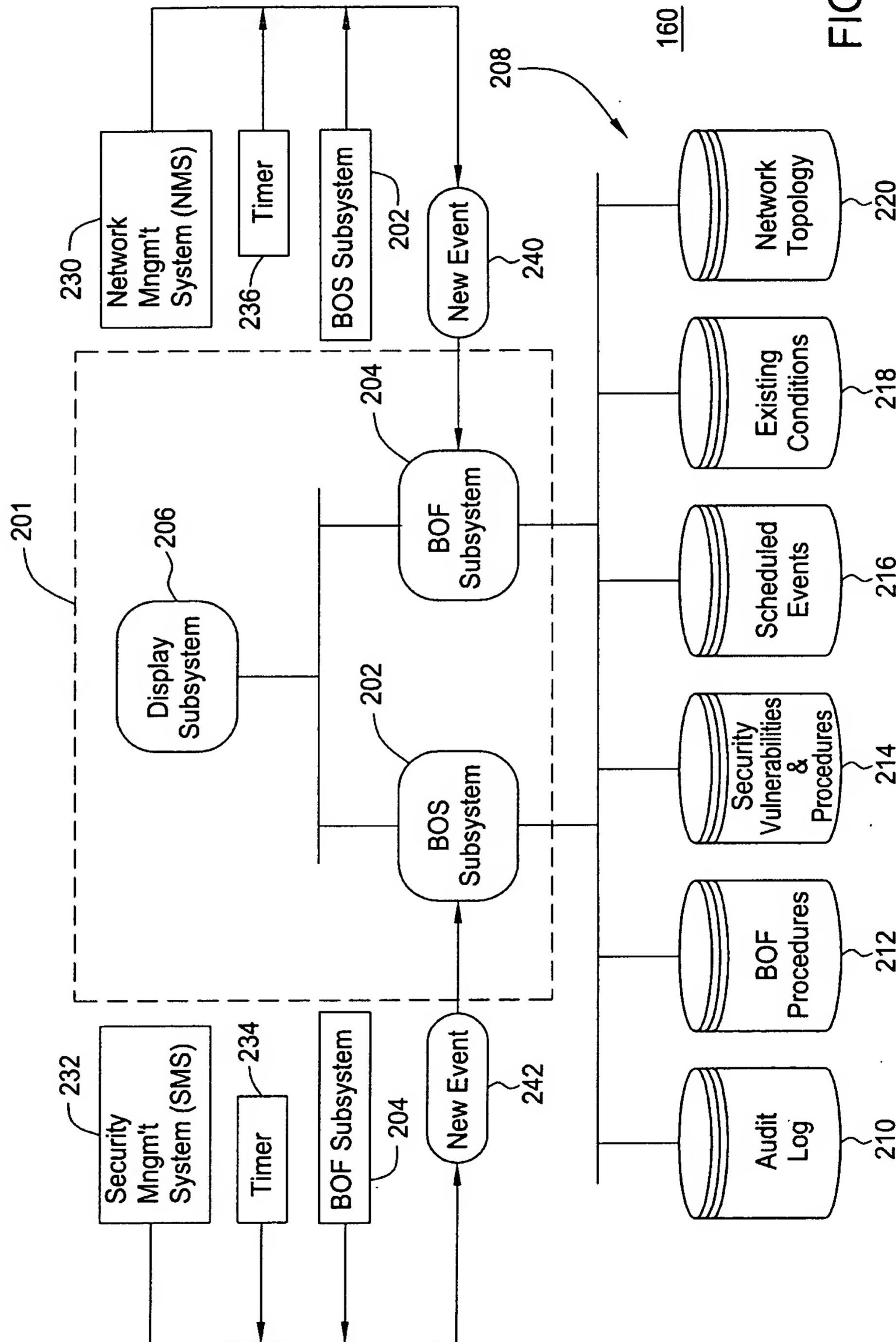


FIG. 1



BRINK OF FAILURE AND BREACH OF SECURITY DETECTION AND RECOVERY SYSTEM
Chun Kin Chan et al., inventors
Attorney Docket No.: Chan 1-4-2-4-2-8 (LCNT/125580)
Eamon J. Wall, Attorney
Telephone: 732-530-9404

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EIG 2

300

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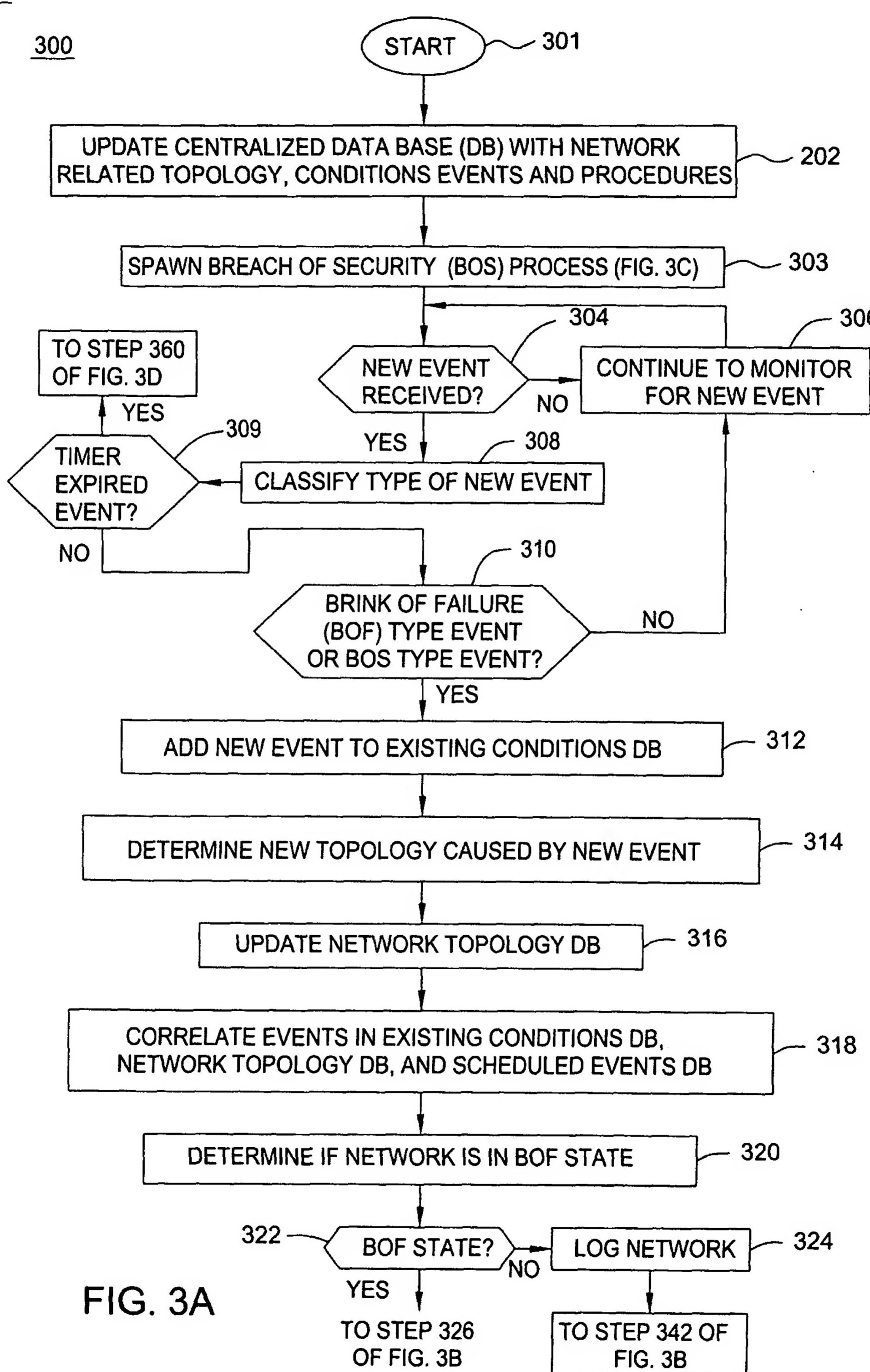


FIG. 3A

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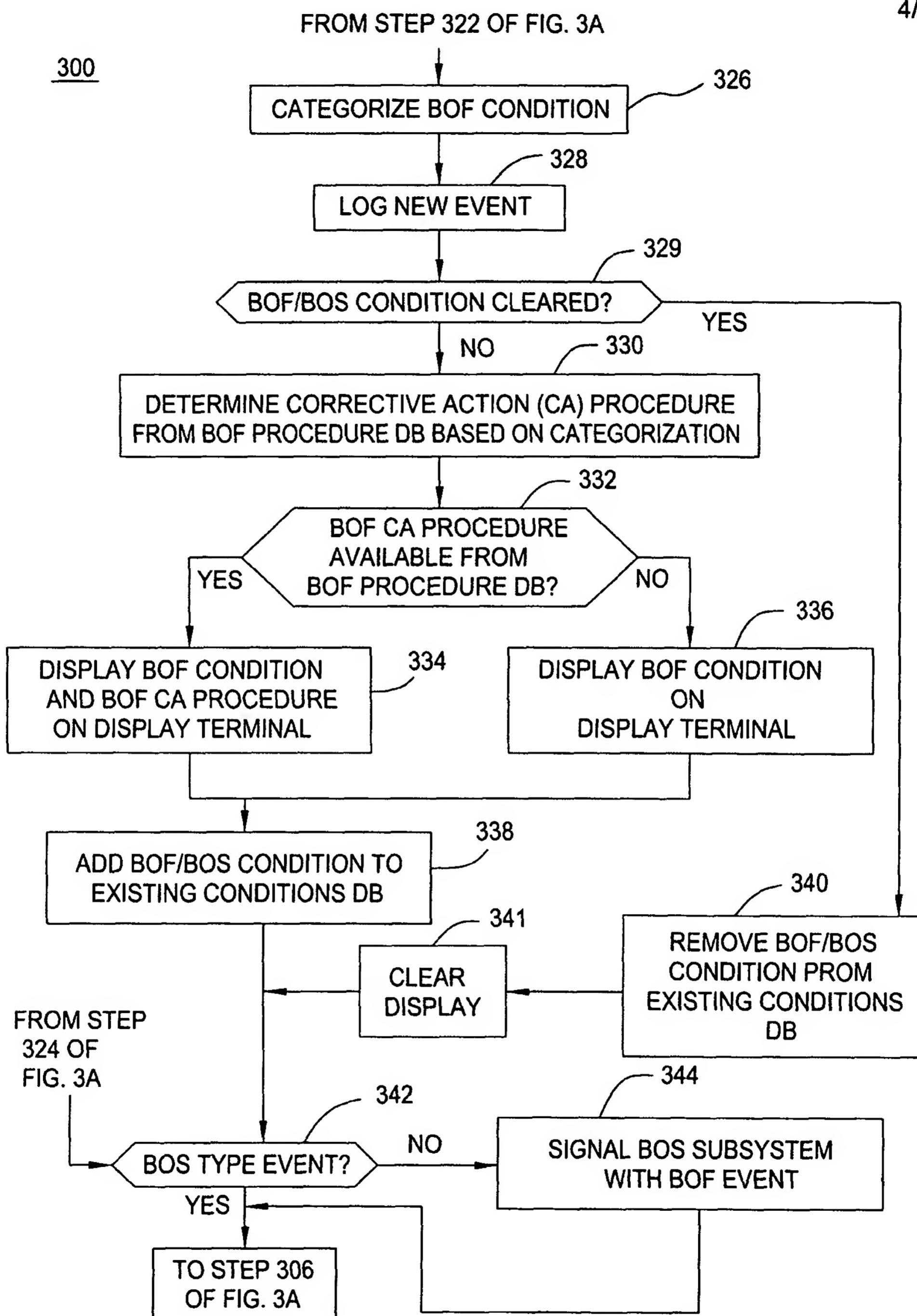


FIG. 3B

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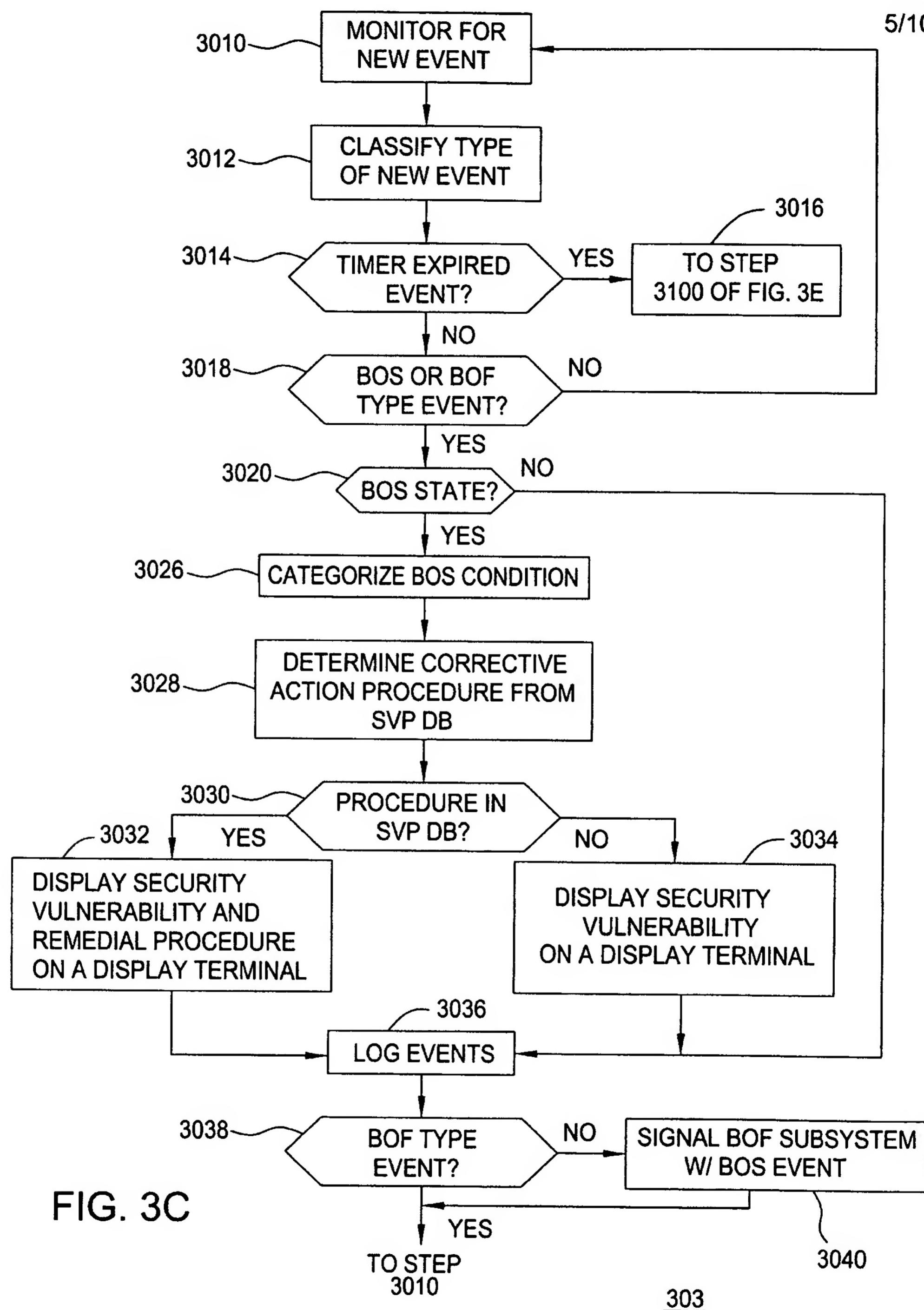


FIG. 3C

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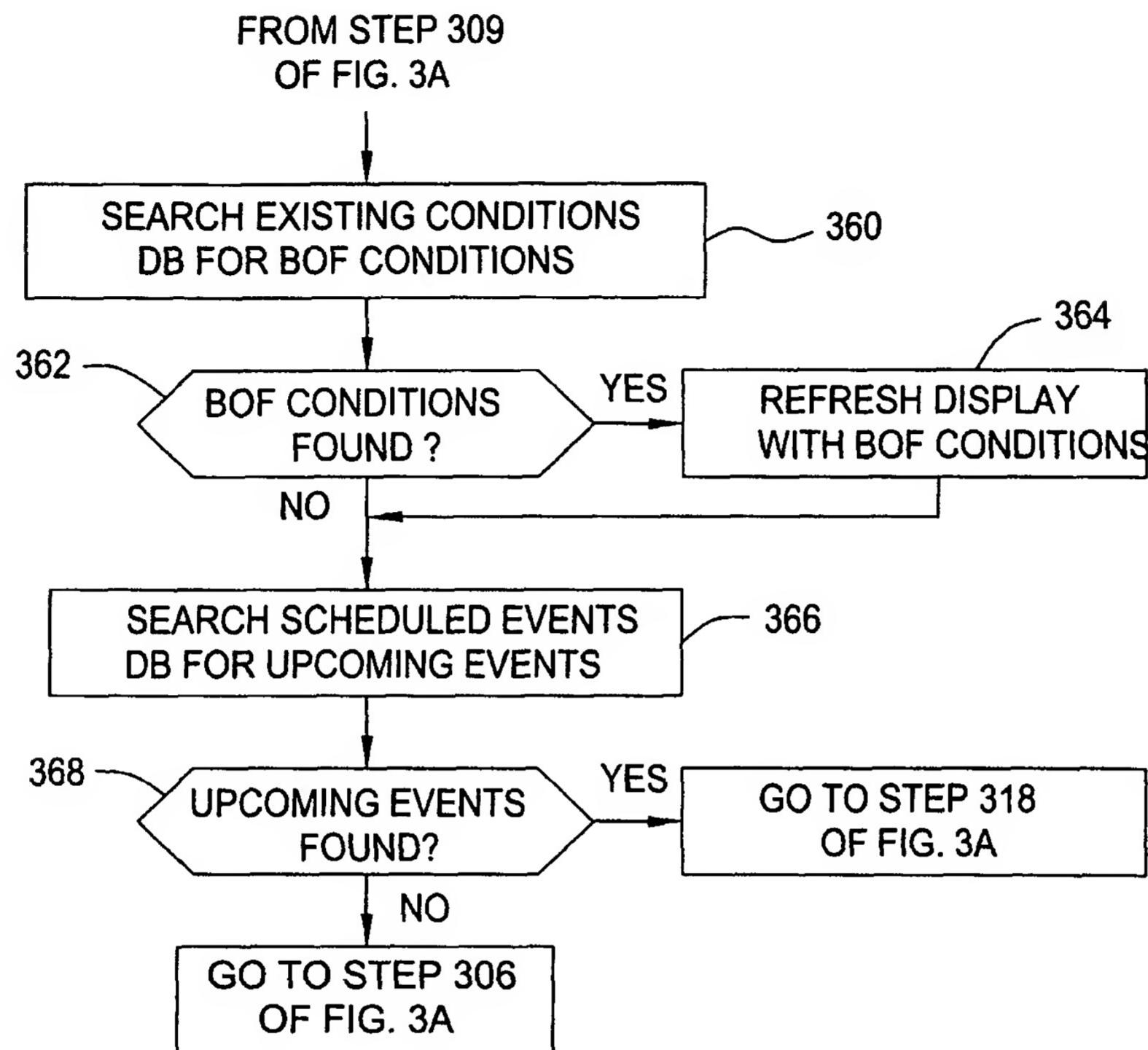


FIG. 3D

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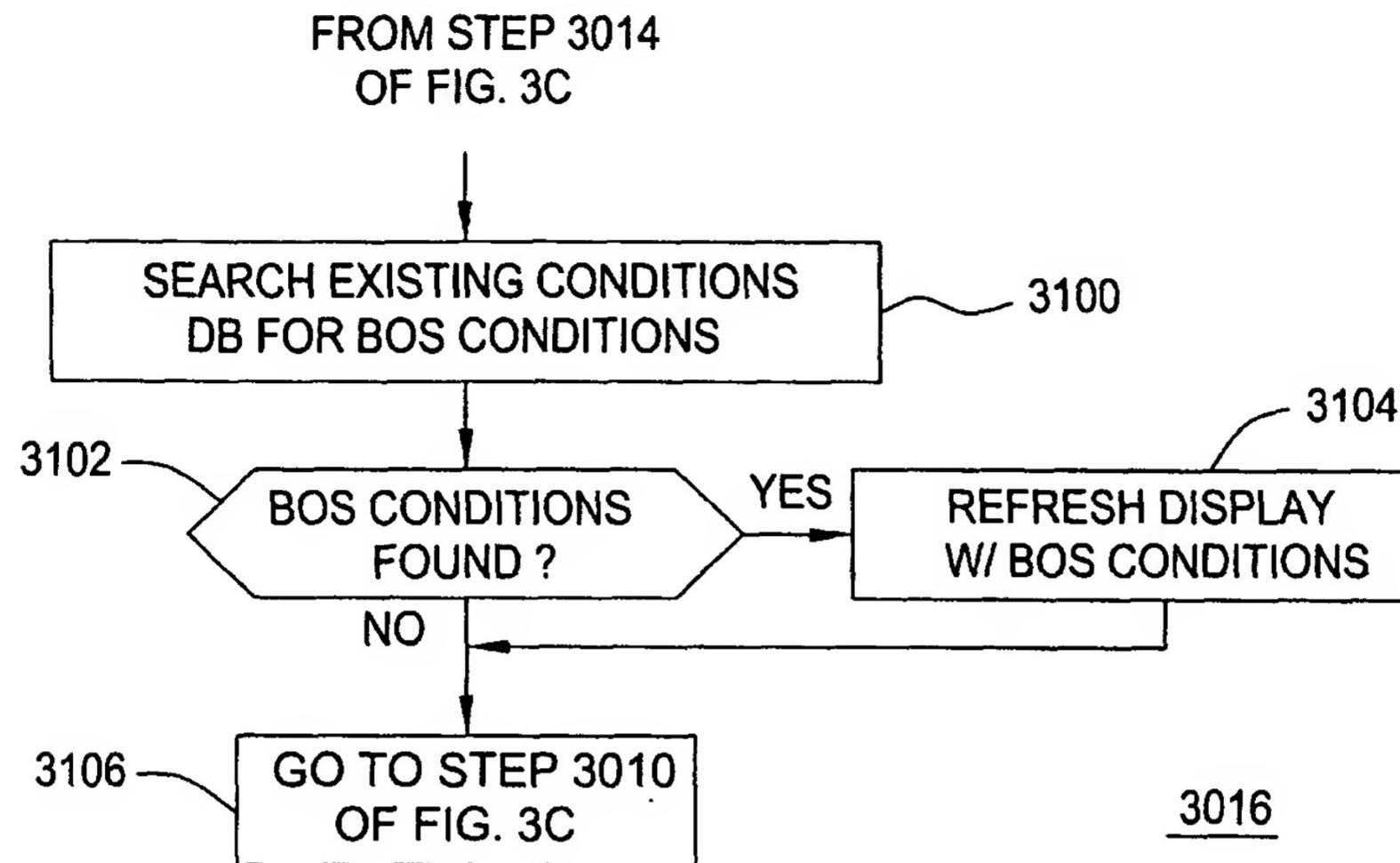
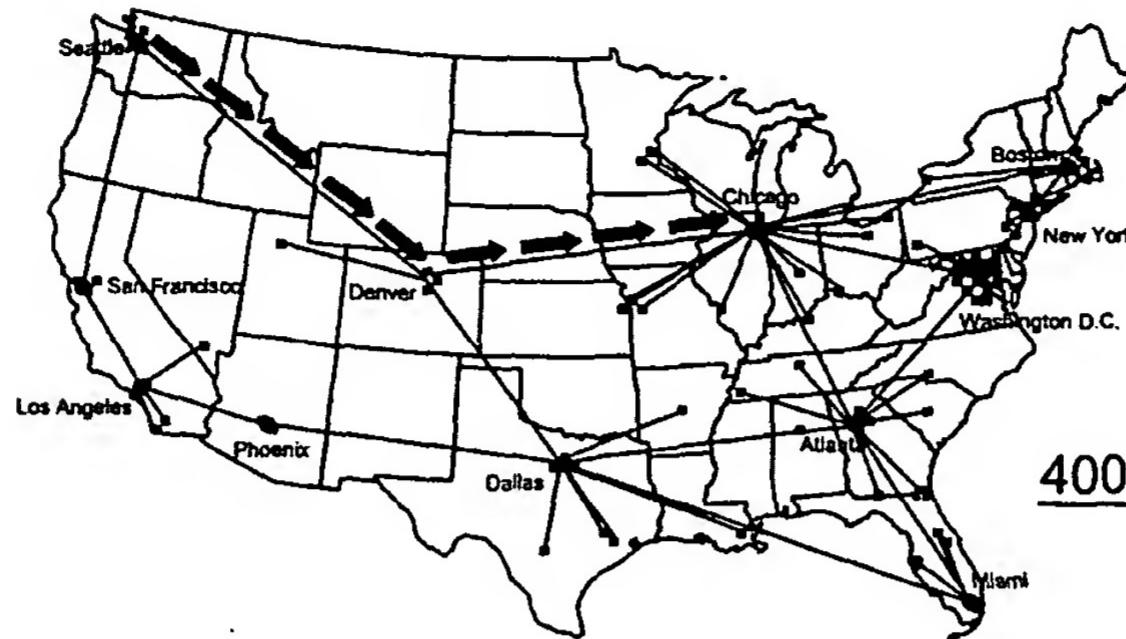


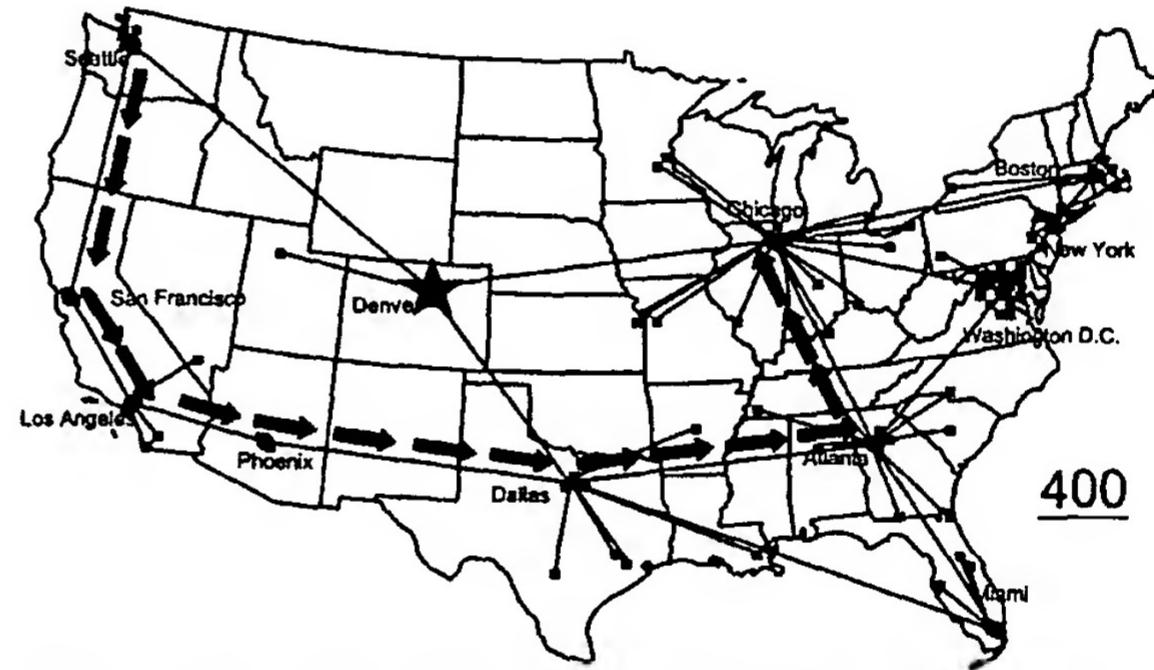
FIG. 3E

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Normal Traffic Between Seattle And Chicago

FIG. 4A



Rerouted Traffic Between Seattle And Chicago

FIG. 4B

BOS_S1: Switch Offline
BOS_P1: Close Logical Connections
Disable Physical Ports

500

NOC Screen Showing Breach Of Security Condition.

FIG. 5A

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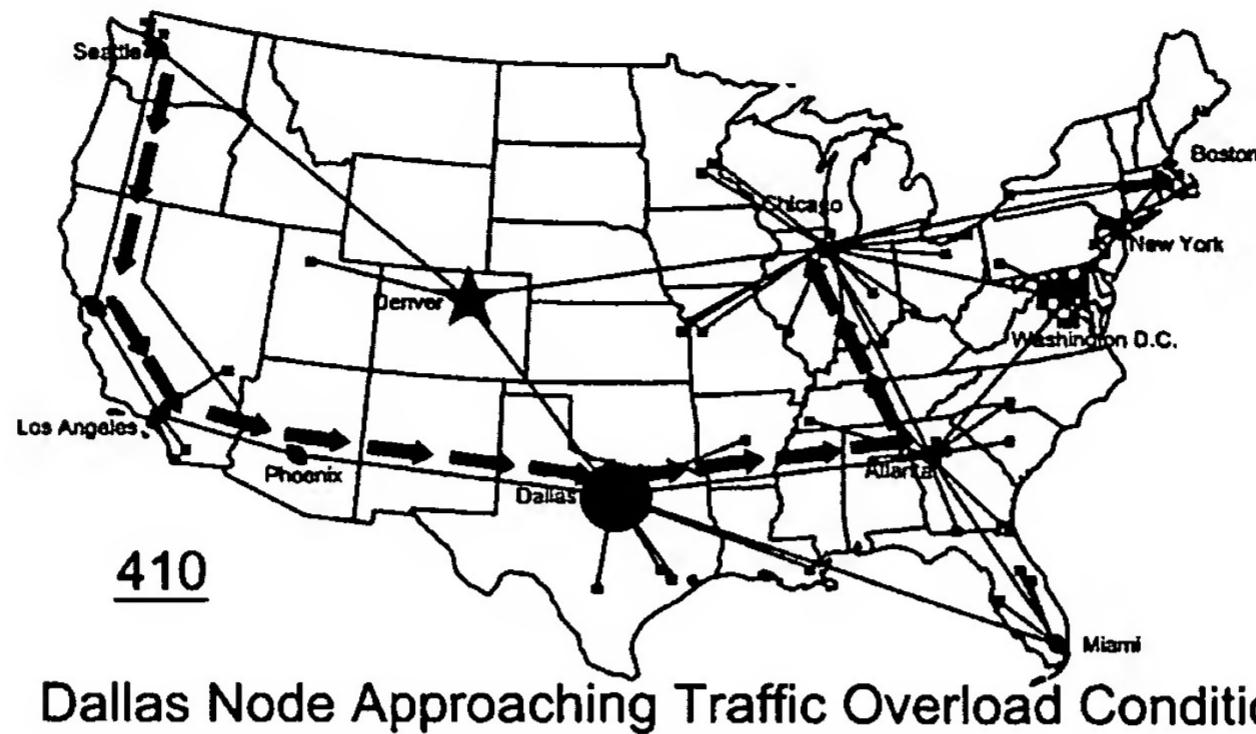


FIG. 4C

BOS_S1: Switch Offline
BOS_P1: Close Logical Connections
Disable Physical Ports

BOF_S5: Switch Entering Overload
BOF_P1: Apply Traffic Control

NOC Screen Showing Brink of Failure Condition

FIG. 5B

BOS_S1: Switch Offline
BOS_P1: Close Logical Connections
Disable Physical Ports

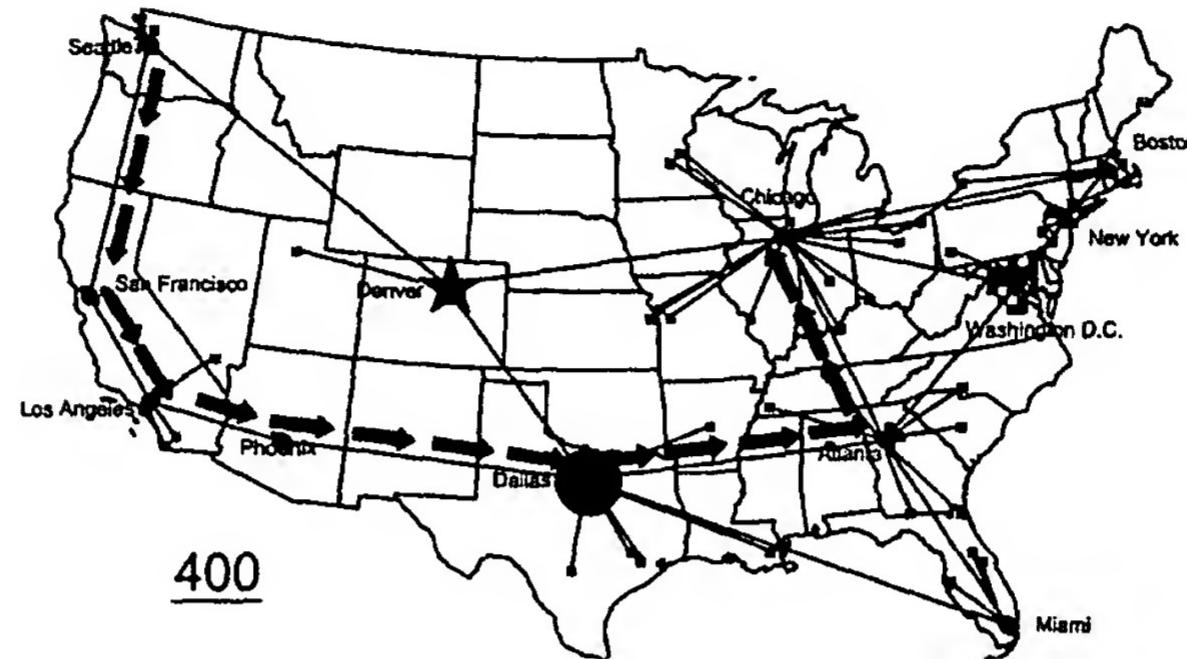
BOF_S5: Switch Entering Overload
BOF_P1: Apply Traffic Control

BOF_S5: Scheduled Power Outage
BOF_P2: Check Power Backup
Re-schedule Maintenance

NOC Screen Showing Second Brink of Failure Condition

FIG. 5C

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Packet Classification Buffers in Dallas Node Exceed Threshold

FIG. 4D

BOS_S5: Switch Entering Overload
BOF_P1: Apply Traffic Control

BOF_S5: Scheduled Power Outage
BOF_P2: Check Power Backup
Re-schedule Maintenance

BOS_S5: Security Buffer Exceeds
Threshold
BOS_P2: Increase Size of Security Buffer
Reduce Input Port Speeds

NOC Screen Displays New Breach of Security

FIG. 5D